

IN THE CLAIMS:

The following listing of the claims replaces all earlier listings and all earlier versions.

1. (Currently Amended) ~~LED, in which~~ A light emitting diode,
wherein at least one ~~[[LED]]~~ light emitting diode die ~~[[3]]~~ is arranged on ~~an LED PCB~~
~~(6) a light emitting diode printed circuit board~~ with a die attach ~~[[4]]~~ and the ~~LED PCB~~
~~(6) light emitting diode printed circuit board~~ has, on the side ~~topposite~~ opposite to the
~~[[LED]]~~ light emitting diode die ~~[[3]]~~, rear side contacts ~~[[7]]~~ which if appropriate are
formed as plug contacts, ~~characterized in that~~ wherein the rear side contacts ~~[[7]]~~ cover
over at least ~~the half~~ half the area, preferably the entire area apart from the necessary
exceptions, of the ~~LED PCB~~ light emitting diode printed circuit board. ~~(6).~~ (Fig. 1-3)

2. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to
claim 1, ~~characterized in that~~ wherein the rear side contacts ~~[[7]]~~ are thermally, and if
appropriate electrically, connected with the contact areas ~~(conductor paths 5)~~ on the side of
the ~~LED PCB~~ light emitting diode printed circuit board ~~[[6]]~~ towards the ~~[[LED]]~~ light
emitting diode die, to the lateral side of the ~~LED PCB~~ light emitting diode printed circuit
board. (Fig. 2)

3. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to
claim 1, ~~characterized in that~~ wherein the ~~LED PCB (6) light emitting diode printed circuit~~
board is a metal core board and ~~in that~~ wherein the ~~[[LED]]~~ light emitting diode die ~~[[3]]~~
is applied directly on to the metal core. (Fig. 3)

4. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to claim 1, ~~characterized in that wherein~~ the ~~LED-PCB (6)~~ light emitting diode printed circuit board is a metal core board and ~~in that wherein~~ there is arranged between the conductor paths and the metal core an electrically non-linear insulator material.

5. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to ~~any of claims 1-4~~ claim 1, ~~characterized in that wherein~~ the ~~LED-die~~ light emitting diode die is mounted face down on the ~~[[LED]]~~ light emitting diode die.

6. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source having one or more ~~[[LEDs]]~~ light emitting diodes according to ~~any of claims 1 to 5~~ claim 1 arranged on a board ~~[[9]]~~ or on a plug, wherein the board ~~[[9]]~~ has contact areas ~~(conductor paths 8)~~, or the plug has contacts, with which the ~~[[LEDs]]~~ light emitting diodes are contacted, ~~characterized in that wherein~~ the rear side contacts ~~[[7]]~~ of the ~~[[LEDs]]~~ light emitting diodes are soldered with the contact surfaces or with the contacts on at least ~~the half~~ half the area of the ~~LED-PCB~~ light emitting diode printed circuit board, preferably over the entire area apart from the necessary exceptions. (Fig. 1)

7. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source according to claim 6, ~~characterized in that wherein~~ a cooling body ~~[[11]]~~ is arranged on the rear side of the board ~~[[9]]~~. (Fig. 1)

8. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source according to claim 7, ~~characterized in that~~ wherein the board ~~[[9]]~~ and/or the ~~LED-PCT~~ (6) light emitting diode printed circuit board has through-contacts for increasing the thermal conductivity, whereby ~~preferably~~ the through-contacts have a diameter of less than 100 μm .